1st & Final BR No-49 20/11/2021

Original/Duplicate/Triplicate
CONTRACT CERTIFICATE
(For Other Works)

SBR No-49 20/11/2021

No:
Division: **R.R Nagar** Electrical

Date:
Sub- Division: **R.R Nagar, Electrical**

Bill Received No.....Dated.....Cash Book Voucher No.....dated.....

Scheduled Docket No.

Name of Work (as per sanctioned estimate): **Providing Electrical Maintenance and repairs to Park lighting and other installation in ward No 16,37, and 38 of RR Naga zone**

Name of Contractor and Full Adress: **M/S Aaditya Electricals, Prop Mahanth Kumar P T No.1, Amma Ashram, Gavipuram , Jnanabharathi 2nd stg Bangalore-560056.**

Work order No : EE/ELE/RRN/W.O/ 01/2021-22 Dtd:06/04/2021
Reference to Agreement :01/2021-22 Dtd:06/04/2021

Budget Head:P0298
Job Code:016-20-000022

Certified that the measurements were taken by me on_____and recorded of page nos 371906 to 371913 of measurement Book No:3718/21-22 and that the work is satisfactorily executed.

Proforma Invoice = 338411=00/-
SGST@6% — 20305=00/-
CGST@6% — 20305=00/-

Contractor

Officer in charge of work

Certified that the measurements were checked by me on 28/09/21 and found correct. The work is satisfactorily executed.

Cetified that the quantities of materials shown in columns 3 of Account II have been actually brought to Site of the work and the contractor has not previously receiv0ed any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in the connection with item for finished work have been agreed upon and normal agreement signed and executed by the contractor is recorded in the the office

EE (Ele.)

Sub-division Officer

II Memorandum of Payment

1) Total value of work done or supplies as per account within
2) Deduct amount to be held in reserve being .....percent Rs.....
3) " Balance
4) Deduct payment :
   a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D.No.....
      Amount adjusted towards cash advance recovery of
   b) Payments cost store or other material supplied.
      Now made recovery amount creditable to this/ other work
      Amount paid on this bill cheque/cash
   c) Balance being unpaid value of work done held in reserve
5) Deduct cash advance made on the Office Cash Book Voucher No..... dated.....less adjustments
6) Net amount due to or from contractor

Unadjusted items

7) Advance to contractor for materials brought to site (as detailed) within
   Value of Government materials supplied

Gross Amt - 3,79,021=00/-

Adjustments Details
IT 3790=00/-
CGST 3384=00/-
SGST 3384=00/-
CBF 379=00/-
FSD —
LC 3790=00/-
FINE —
Stores 3498=00/-
TOTAL 18225=00/-
NETT 3,60,796=00/-

Contractors Signature

Received Rs.....(in words)
.....
by cash and adjustment of payment as per memorandum.
Witnesses :
1.
2.
Dated .....Signature of contractor
Paid by me by cheque No.....Dated .....
Cash Rs.....Dated.....

Stamp

Passed for Rs. 3,79,021/- Only
Nett Cheque Rs. 3,60,796/- Only
Adjustment Rs. 18225/- Only
Rs in Words Three lackh Seventy Nine thousand Twenty one rupees only

(For use in the office)

Accts Supd. RRNZ BBMP

EE(E) RRNZ BBMP

Initials of Officer making payment

Executive Engineer (Ele)

Fist & Final Bill

A	Providing Electrical Maintenance and repairs to Park lightings and other installation in ward No 16,37, and 38 of RR Nagar zone									
	Items Grouped under sub Heads and sub works of the Estimate	Unit	Previous Measure		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate Rs Ps	Amount Rs ps	Qty	Cost
1	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments. 1.5 sqmm	Mtr			195	10.00	1950.00	195	1950.00
2	Wiring for lighting/power circuit using one of PVC insulated 1100V grade, stranded Aluminium wire single core in open or concealed system of wiring.4 sqmm	Mtr			95	5.00	475.00	95	475.00
3	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 40 Amps DP	Each			10	800.00	8000.00	10	8000.00
4	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947.60 to 70Amps	Each			6	3400.00	20400.00	6	20400.00
5	Supplying and fixing Microprocessor based Electronic timer (without contactor, Din Mounting using necessary bolts, nuts and washers etc.,.) 3-120sec setting.	Each			8	1500.00	12000.00	8	12000.00
6	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 4 core 10 sqmm	Mtr			258	100.00	25800.00	258	25800.00
7	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required. In existing trench/duct. 6 sqmm to 16 sqmm	Mtr			258	8.00	2064.00	258	2064.00
8	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) In soil (ordinary)	Mtr			198	60.00	11880.00		11880.00
9a	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes. 10 sqmm	Each			38	4.00	152.00		152.00
9b	16 sqmm	Each			20	10.00	200.00		200.00
10	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers. 63 Amps	Each			2	150.00	300.00		300.00

AEE (Ele.)

	Items Grouped under sub Heads and sub works of the Estimate	Unit	Previous Measure		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate Rs Ps	Amount Rs ps	Qty	Cost
11	Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop- Out terminals for 10 Sqmm / 25 Sqmm 3.5 C Al/Ar / Cu/ Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC Insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof, safe, IP65(Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and/or grommets. 200mmx200mmx98mm	Each			20	1500.00	30000.00		30000.00
12	Supply of LED pole mounting type post top lantern with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate/ clear glass material, delivering superior light output.Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/Overload, short circuit/ miss-wiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB . LED Efficiency>130lm/w, nominal CRI >75. Luminaire manufacturer should have in- house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/ Lumileds/Osram make LED Source.	No			24	5100.00	122400.00		122400.00

AEE (Ele.)

	Items Grouped under sub Heads and sub works of the Estimate	Unit	Previous Measure		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate Rs Ps	Amount Rs ps	Qty	Cost
13	Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate material, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, maximum light intensity should be between 60 degrees to 70 degrees. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mouting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with W System Power consumption. LED Efficiency>130lm/w, nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body	No			15	1500.00	22500.00		22500.00
14a	Supplying & fixing LED Drivers suitable for 5700K LED fitting Outdoor Fixtures. Operating voltage range from 180V to 265V, 50Hz AC power Supply a) 25W 5700K suitable for outdoor LED fitting.	Each			102	800.00	81600.00		81600.00
14b	b) 90W 5700K suitable for outdoor LED fitting.	Each			15	2300.00	34500.00		34500.00
15	Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/footing of the pole. Upto 5Mtr street light pole.	No			16	300.00	4800.00		4800.00
	Total						379021.00		379021.00
Rupees Three Lakh Seventy Nine Thousand and Twenty One Only									

Certifiacte:

1. Certified that work is Executed Satisfactorily.

B	**Deductions.**								
	Total Of Iteam No 11 TO 13						174900.00		
a	Deductions of 2% of bill as per Contract Agreement on account of Released scarp material Iteam No 11 TO 13						**3498.00**		3498.00

AEE (Ele.)